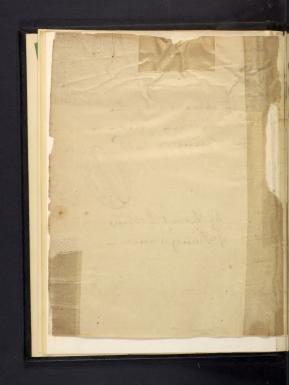
le bochel as it appeared in the Philadelphia Prison in the Spring of 1806by Daniel Dobbins of Pennsylvanier -



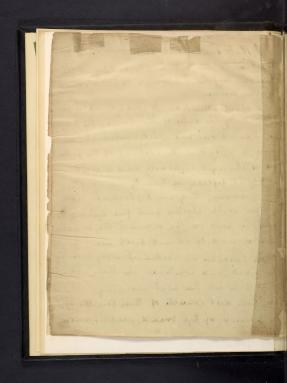
I shall first notice some circumstances relative to the internal economy of the Poison, before I proceed to an account of the disease

I strict attention to clean lines is enjoyned by the rules of the house; the bound is cleansed out and whilewarked at last once a mouth. The clothing of the prism are is changed regularly once a week

about fifteen or twenty are confined in a voor, they are kept comfortably warm with clother and fire during the winter, and in the summer the windows are opened to admit fresh air

The prisoners are locked up wery evening at dark, and continue in their room till survive the next morning-

Their diet converts of three fourths of a found of lige bread, well fermented



and baked with half a gill of Melapes diluted with a pint of water, for break fact - For dinner they have half as found of rege bread with helf a found of fresh meat and beans or pear, or a soup made of these ingredients, or with vice - at supper they have endian much with Melaper and water in the same proportion as for breakfast - on former years they were allowed potatoes or turnits or some frish vegetables for dinner; but the extreme scarcity of there articles during the spring of 1806 and the preceding winter precluded the popibility of furnishing them as enticles of diet for the prison. I wish this circumstance attended to, as it explains the affectione of the disease

Total San in wind bearing

at this time - I ordered mention that facticular attention is paid by the In the ctors and Neches of the prison to obtain provisions of a good quality

The decirey me de its appearence about the first of May - The first case was in a negro whose breast was affected, he had considerable feel with a difficulty of breathing, which were increased by exercise. From un ignorance of the dis ease there symptoms were attributed to an effection of water into the cavity of the Thoray - This prognosis lie to Vicet- Polisters and decentres- great debility succeeded this practice, which could not be removed by a cordial and toris flan which was next pursued - This care terminated feet ally - another ferron who was treated in nearly the same way presented a

100 - 18 B

similar result- The ulceration of the gums was not attended to It was suppo sed a several circumstance, that had no connection with the general complaint a third person whose legs were affected with pain and turn efaction was put on the use of balomel in form of pulo, antimoreale, and afterwards in com binetion with graineum - This care had like to have terminated in the same way - fortunately the Mercing was omitted before a salwation was produced - a tonic plan was next per. such without neces - This recession of diappointment, led to a more atten tive examination of every symptom. It now appeared evedent that the dene use were seemy. This suggested an alteration in the plan of treatment the result of which was highly pleasing as we did not love another patient

The sich were unmediately put on the use of a vegetable diet, and the belie acia; and fresh vegetables were ordered for the paisoners generally - an immediate change now took place, the recoveries were refiel and no new cases occurred. On the gitation had not advanced far it was difficult to prouve sallads for the whole frison; and now that the derease had ceased their use was descontinued. The Juney in a short time returned to course was again had to the digetables with the effect of again banishing the diriare - This diet could now be conti need, and the preson remained head

When disease occurs we are natural in led to investigate the cause in orten to effect a cure, and more effective acid prevent a return. It will be from that I should consider the different



the different causes a pigned by authors in order to ascertain whatten they exected in the prison, and what agency each I ad in the production of this disease

I' Beddoes considers a deficiency of oxygen as the sole cause of Survey - the says The livia colour of the blood, and the Tange lived shoth which are so often thread over the surface of the body left little room to doubt of the absence of oxygen; and the recovery of the sich by means of acids, and by a vege table diet, afford a sort of conforma how remiles to that which is de rived from chemical synthesis, for no substances are better calculated, than acids at least, be unpart ogy you to the restern; they contain it in abrend ance, and they fait with



Of this theory were correct all outstances that contain oxygen, should core the disease and they should do it in frofortion to the readine with which thoughout with their ogggen - The outphuric and netic acids should be the very best remedies - But repeated experience has proven that they will not come a case This I extrem a sufficient reason for laying their use aside, without accounting for their fulure as Do Beddoes would with - another fact that opposes this The ory is that cure have been effect ted without administering acids and with out increasing the quantity of oxygen - But It will be sufficient for my purpose to shew that a defice in you of orygen in the present case



The presoners are confined only twelve hours in the ter ty four. Meg are employed at work through the day in the open air - Then rooms are any and ventilated - of the disease was induced by a deficiency of only gen it should have constantly appear ned in those who were confined in the deen goon where the atmos phere is unchanged, and only suffice ent to support the combustion of a lighted takes - a number were in fined in this place not one of whom had survey - ing were thiefly vagranto who had not been a long time in Thison

That Miasma had no there in the production of this suplaint I infer from the discours that preceded



and accompanied it; they were batach and other complaints that originate from the sensible qualities of the atm orphere— The cleanlines of the pris on forbids us to attribute it to this cause

bold alone and in combination with moisture. They act a suppose as predistoring ceuses by undercing debicity. That the disease can exist with out them is proven by its occur vence in the tropical climates, and that it was not the cause in this care is seed ent from the season of the year in which it occurred. The presoners are comfortably clad so us to be protectes from the inclemency of the weather, if such



I did not in one case perceive that hand labour induced Jeney - This acconds with the observation of Dr Blane. A . think it has an opposite effect He rays " he fact mention ed by bapt book may be alledged in favour of this, He rements that the Humscha dales, who were habituated to hand labour were free from Jemoy while the Rufrems and Copachs who were in genous on in their country and ted in dolent lives, were frequently affection, though they used nearly the same sort of det "?

tood of an indicestible quality and containing little nutriment. It may admit of a doubt white loo much has not been attributed to this cause and the successful to being



recent left out of view on the present care the food is of sufficient case deges tion for latton ers. The nourishment it contains has alway, maintained the presoners regorous and capable of performing hard labour - a reason for rejecting this as a cause is that the disease was ever of and preventes grow returning without increasing the quantity of nourishment, mere by by a change in the quality by substituting green vegetables inters of beans pear and rice

which the production of this disease is attributed - They are

Delity induced by diverse. From the convertescent room there was a number of abstimate cases

Fran greet and other debilitating papion



Ley have been observed thongy to dis fore to this disease, I attack the discountended and refining while those of his times inferitions escape. The is the may explain ation "social socied for the fre quent appearance among those confines for trial. The fact has been the guently observed that some newly imprefer are featicestanty liable to become norbu

h diet consisting of arimal food or the dry farinaceous vegetables. This I suspect to be a more frequent cause than has been reference to cause it exists in almost every instance is ease the disease ins

offe wed

theating of its were in reamen says a frome in the next fram 's an dadi inal and one in the next fram to an dadi



and which concerving with the former in progress of time seldom fuels to produce et and this is the want of friesh we get and tes and greens, either as may be supposed to counteract the bad effects of their before mentioned attention or norther and more trucky to correct the gracety of their read and dry lood. Typerience indeed theres, that as greens and fresh vegetables with ripe bruits are the best vermidees for it, so they nove the most effectual promentives again, til, and the difficulty of obtain me them at new, to gether with a long continuence in the most sea in are the true cause of its so general and future mulignety on that ele " " This quotation shows the spi nion of one whose experience in this



seems were very ample- althor he con seven cold as the most fore quent cause yet a weight of recent very table made to induce it.

That a diet ouch as is used by the first ones will give vise to security affects from the collowing facts - It before the wint focusion the when the viet consisted of fresh animal focus and pears - In Lind relates the cases of two persons who will do not lived on bread on bread, died and racted feel and some times the said

On interesting case is published by by winter in the 2 boll- of the Philadelphia Medical and Physical Journal. The ruby set of this paper had been confined for some time to a diet of



there who thate bread of butter with a small speanfily of animal food. Under them wellictions security or curred when here ould be no suspicion of any other were than a want of very to be getable aliment.

I have already stated that the prison ers had lived between three and have months on animal food and dry farinace our we getables. It is probable that a very stight alteration in the diet word of have prevented the appearance of reway at this time witho potatoes or turnips are not adapted to the cure of this discuss, get they might prevent its occurrence, by it is more any to avoid with them cure it when present

The uniformity of the prisoners diet



manks that the causes must not may be brief to agent in a right degree but must act likewise together for a comin derable time without intermifican of socially the dust. Thanks of food has not only a most surprising effect to recover from a very deplorable itale of the scendy, but even the must call cut alteration of dust has a wonderfull influence in preventing the approach of it

We see the effect of ruch a diet in the cases already cited; it is reasonable to afriga this as the cause in the present case. If we should so feet any other wine died it not appear before? There were has been even a solitory case of surrey in the brison except in the



Juing of 1808 - besides from ord acquainted with any peculiarity that could have induced the disease that had an existence at this time except

the diet

I extrem the following fact of con side who importance. No person red seemy who had not been con fined in the prison for near two months. Now if measure or a defi ciency of orggen had been the cause this could not have happened. Those who were just imprisoned, and who a few days before had lived on vesitubles would have been as liable to the disease as the oldest prisoner Carticular attention was paid to this circumstance and it was thought at the time to throw considerable light on the cause of the malady -



a incumstance that forming mention e i just The maller begond a doubt that we must refer the origin of the disense to this rease - it riberal use of we get a bles removed the complaint. They were omitted for a reason thave alore de mention ed - hi a short line the 'emity returned - recourse was again had to a regetable deel with the effect of again quickly burnishing the discuse and by persenting in their the prison remained healthy

during a regreta to a cold as predistroing by inducing debirty, and that a meant of recent vegetable account to name the true a remote cause or the



aring never with when this race that aring never with when this race is not present - the different predis poring races acting with various force will produce the disease under ancementances, very apprinten

of this opinion 18 the ray of the courses may someway for four the recent wegetables are account forces to fur we the body force from this mulady "the details a number of cases where the disease wisted ander these commisten cas, and was always removed when this was always removed when

I should say a sole woods to the symp



The first ogniption that presents closely is a change of the natural colorer of the face to a hale gellow or dingey appearance - withouthis is not observed in wery case to precede other symptoins get it is constant and invariable

The countenduce has a rellen and more one appearance. From this circum of ance probably arose the opinion held by the ancients that Remy was men ing a higher grade of Melanchotice

Then is early observed a laying and according to motion, which soon degenerates into a troublesome apitude - a fair is fell in the muscles and bones and the least on otion fortagues, with this peculiar ity that no refreshment is obtained



Their gums soon become itthy swell and beend by the olightest friction. My are kived shorry and fungus

The shim was not increased in temperature, it felt dry and rough herenting an unservice appearance spots of a dark colour were very numerous. There were different from the large blotches or eachy more that appearant chiefly on the lower extremities

in some was similar to edema while in others it was so hard that it would to no prepure. The fley or muscles of the leg become contracted to dind found by lefiction that this was owing



the muscular fibres and in the inter tices of the muscles. I swelling in almost every case occurred in the hern this was hard and incompref with.

Mains in the breast were frequent by observed, they were increased by coughing and exercise of any hind - The extreme oppression by by fine a that occurred in one case caused it to be mistaken for thy another ay

In two cases ulceration took place one was in an habitual dumband who fermenly know some up. They formuly broke out with foul and very fun que ulcus— The other had the



24

the preceding actions received an injury on his knee- They were the ates set feeling by much applications and the general renae dies for survey

The feelse did not in any case thew tension, it was in general much and stone -

The cure was almost entirely trusted to a vegetable, diet, with law ons; this never failed in a few days of releiving the patient. The swelled and indena ted legs were not immoderately cured; forctions with flammel were applied with advantage

I am fotatoes grated down and made palatable with spices and vine year ware of eminent series



Particular attention should be pard to exercise, Scorbertie patients are so averse to this, that authority must be interposed to enforce this salutary prescription. The bernies in Lapland that were this disease, are roud to love half their virtue unleft collected by the pateent himself

the complaint was known, I shall pust mention the result of a few of them. Breat-manifestly did have Local Broadesting with the scanfictor was attended with no better receif, it was necessated by swelling and alceration that was difficult to Real - Briters did serious mischief, they always fulled

----Televilor attendon on secure in thether his limited in Piling a continuous of the

they were applied, and the sores which they be left behind were with difficultly prounted from running into gan graine

red in bottles as imported from the West Indias. This was found for in

ferior to the fresh limes -

hack slip bit, and the ritice acid had no impression on the direase. I a sind relates a case that occurred under the use of blig, bit his experience convinces him that it will not present on one Survey

